

ROC286AA

1 U 19" DC-DC REDUNDANT FANLESS SERVER
WITH INTEL COFFEE LAKE-R PROCESSOR

Extended
Temperature
+85°C
-40°C

CPU Full Speed



1 U FANLESS RUGGED SERVER

- Intel® Coffee Lake-Refresh 8th/9th Gen Processor (up to 65W)
- 2 x SO-DIMM DDR4 2666 MHz up to 64GB
- 1 x PCIe x16 Slot, 1 x M.2(Key M, PCIe x4 and SATA) Expansion Slot
- 6 x USB, 2 x DisplayPort, 1 x HDMI, 2 x LAN, 1 x Line-out/Mic-in, 2 x COM
- 2 x 2.5" SATA HDD/SSD Easy Swap Tray

Specifications

SYSTEM

High Performance Processor	Socket LGA 1151 for Intel® Core i7/i5/i3/Celeron® (Supports up to 65W) Intel® 8 th /9 th Processor
Memory type	2 x SO-DIMM DDR4 2666 MHz up to 64GB
Chipset	Intel® Q370 Chipset
Expansion Slot	1 x PCIe16 1x M.2 (Key M, 2242/2280) with PCIe4 and SATA

STORAGE

HDD/SDD	2 x 2.5" SATA HDD/SSD easy swap tray
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ETHERNET

Ethernet	Intel® I210-AT & I219-LM GbE LAN (support 10/100/1000 Mbps for x2 RJ45 ports)
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REAR I/O

DisplayPort	2 x DP
HDMI	1 x HDMI
Ethernet	2 x RJ45 Intel® I210 & I219LM GbE LAN (support 10/100/1000 Mbps)
Audio	2 x 3.5mm Audio Jacks (1 x Mic-in, 1 x Line-out)
COM	2 x RS232/422/485 (422/485 select by BIOS)
USB Port	4 x USB 3.1(10Gb/s)
DC-IN	9~36V DC IN (2 x 4P x Terminal Block)

FRONT I/O

Button	1 x Power Button w/Indicator LED
Indicator LED	HDD
USB Port	2 x USB 2.0
Easy Swap SSD Tray	2

APPLICATIONS, OPERATING SYSTEM

Applications	Commercial and Industrial Platforms, Embedded Computing, Process Control, Intelligent Automation and manufacturing applications
Operating System	Windows 10 64Bit Linux (support by request)

ROC286AA

PHYSICAL

Dimension (W x D x H)	430 x 450 x 44.4 mm
Weight	8.92Kg
Chassis	SECC
Heatsink	Aluminum Alloy, Corrosion Resistant
Finish	Anodic aluminum oxide

ENVIRONMENTAL

MIL-STD-810G TEST	Method 507.5, Procedure II (Temperature & Humidity) Method 501.5, Procedure I (Storage/High Temperature) Method 501.5, Procedure II (Operation/High Temperature) Method 502.5, Procedure I (Storage/Low Temperature) Method 502.5, Procedure II (Operation/Low Temperature) Method 503.5, Procedure I (Temperature shock)
Green Product	RoHS compliance
Operating Temperature	w/o Graphic Card (ET: -20 to 60°C; UT: -30 to 70°C) ; w/Graphic Card (0 to 50°C)
Storage Temperature	-40 to 85°C
Relative Humidity	5% to 95%, non-condensing
EMC	CE and FCC compliance

Ordering Information

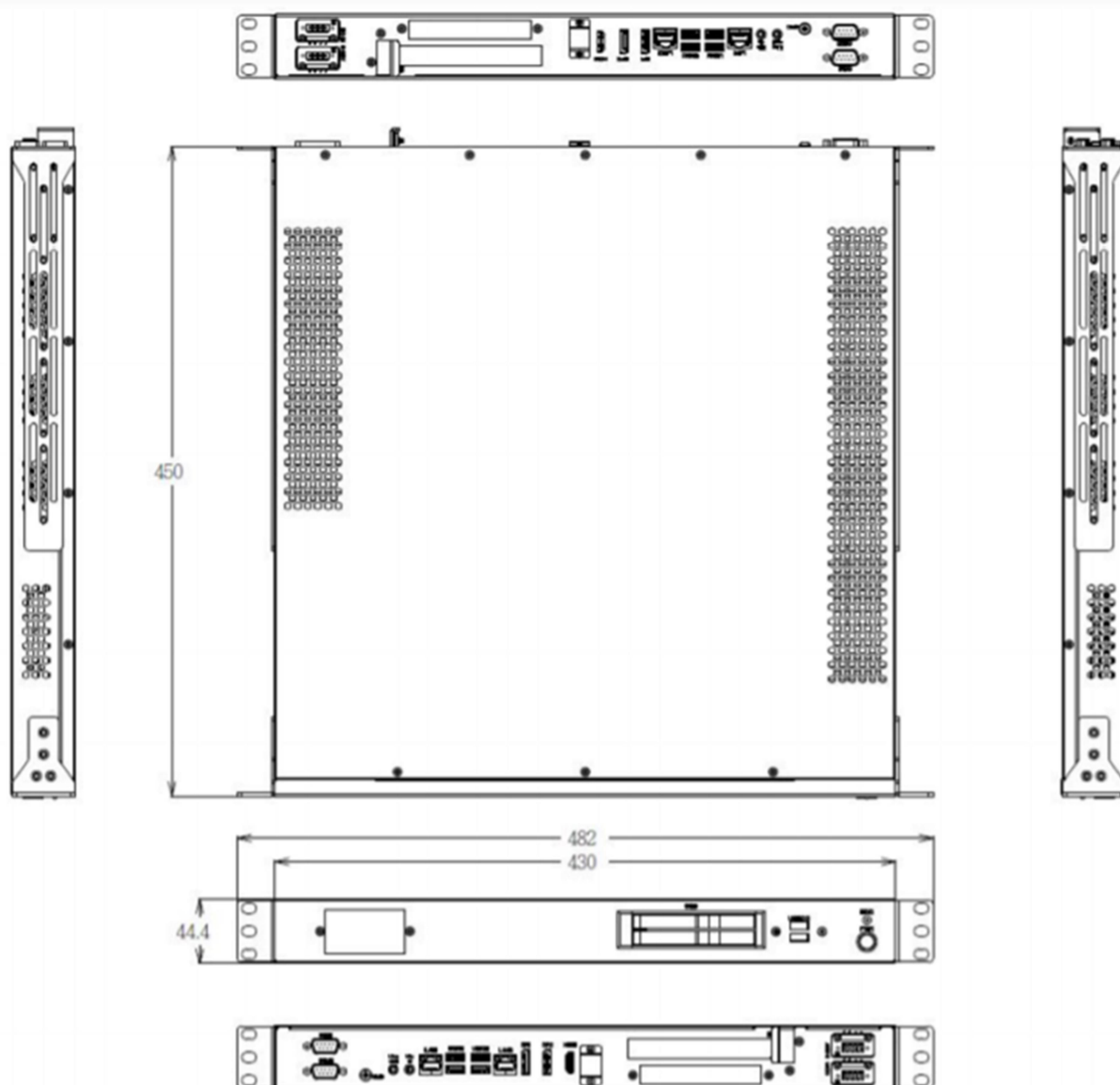
ROC286AA-ET

19" 1U Rack-mount Rugged Fanless DC-DC Redundant System with Intel® Coffee Lake-Refresh 8th/9th Processor(Up to 65W), 2 x DisplayPort, 1 x HDMI, 1 x PCIe x16, 6 x USB, 9~36V DC-IN*2 Redundant support, Operating Temp. -20~+60°C

ROC286AA-UT

19" 1U Rack-mount Rugged Fanless DC-DC Redundant System with Intel® Coffee Lake-Refresh 8th/9th Processor(Up to 65W), 2 x DisplayPort, 1 x HDMI, 1 x PCIe x16, 6 x USB, 9~36V DC-IN*2 Redundant support, Operating Temp. -30~+70°C

Dimension



IO Placement

